

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

19. (currently amended) ~~Method~~ A method for extruding plastic material using a single screw extruder which comprises a barrel having at least one groove extending in a longitudinal direction along an inner surface thereof and a barrier screw rotatably mounted therein, the extruder comprising a feed zone and a melting zone and the barrier screw comprising at least a solid matter channel and a melt channel, including the step of transporting through said at least one groove ~~wherein~~ in the area of the melting zone solid plastic material (solid matter) ~~is transported~~ from the solid matter channel to the melt channel in defined quantities.

20. (original) Method according to Claim 19, wherein the solid matter is transported at defined locations along the barrel from the solid matter channel into the melt channel.

21. (original) Method according to Claim 19, wherein the transport of defined quantities of solid matter is substantially caused by the pressure difference between the solid matter channel and the melt channel.